

# Rules to Live By Calculator



<http://www.msha.gov/data-reports/tools/>

# Rules to Live By Calculator

- ✧ It's a tool for mine operators, miners, and MSHA to calculate a mine's violation rate for the standards associated with the Rules To Live By (RLB) initiative.
- ✧ The goal is to prevent fatalities in mining because too many miners still lose their lives in preventable accidents.
- ✧ The loss of even one miner causes devastation and pain to the victim's family and friends.

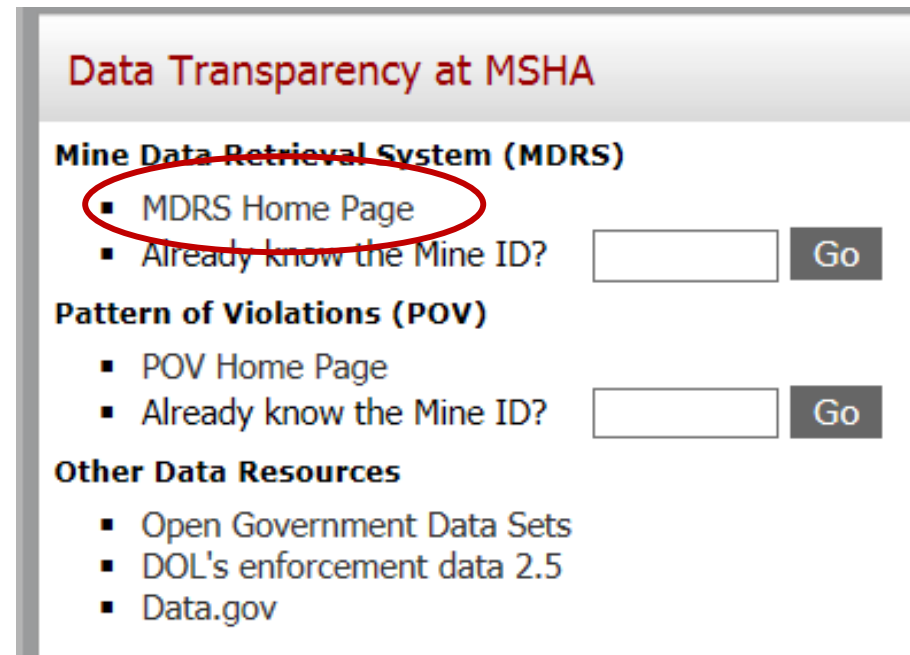
# Rules to Live By Calculator

This new tool can be used to:

- ∞ Identify areas that require attention
- ∞ Track compliance with **RLB** Standards:
  - Check each quarter for improving or declining progress
- ∞ Develop training for mine examiners and supervisors
- ∞ Develop Accident Prevention materials for Parts 46 and 48 required training by focusing on cited **RLB** standards

# Mine Data Retrieval System (MDRS)

- ∞ To use the tool, users will first need the **Mine ID number**.
- ∞ If you do not know the Mine ID, use the [Mine Data Retrieval System](#).
- ∞ Find it on the MSHA website... [www.msha.gov](http://www.msha.gov).
- ∞ On the left side, half way down the page, and under Data Transparency at MSHA, click on the first bullet - **MDRS** Home Page.



The screenshot shows the 'Data Transparency at MSHA' section of the MSHA website. Under the heading 'Mine Data Retrieval System (MDRS)', the first bullet point 'MDRS Home Page' is circled in red. Below it is a link 'Already know the Mine ID?' followed by an input field and a 'Go' button. The 'Pattern of Violations (POV)' section also has a similar 'Go' button. The 'Other Data Resources' section lists 'Open Government Data Sets', 'DOL's enforcement data 2.5', and 'Data.gov'.

**Data Transparency at MSHA**

**Mine Data Retrieval System (MDRS)**

- **MDRS Home Page**
- Already know the Mine ID?  **Go**

**Pattern of Violations (POV)**

- POV Home Page
- Already know the Mine ID?  **Go**

**Other Data Resources**

- Open Government Data Sets
- DOL's enforcement data 2.5
- Data.gov

# Mine Data Retrieval System (MDRS)

Operator Name:

Type in Operator Name Here

OR

OR

Mine Name:

Type in Mine Name Here

State:

All States



(Optional w/ Name Searches)

Mines Desired:

AND

All Mines



Select the State



**Include/Exclude Abandoned Mines**

We have excluded abandoned mines by default to limit the returns for your search.

To include Abandoned Mines in your search, check the box.

Click

SEARCH

# To Use the RLB Calculator

- ∞ The Beginning Date and Ending Date are pre-populated but can be modified for a specific date range.
- ∞ The default date range can be used by clicking submit after entering the Mine ID.
- ∞ There is a lag time associated with entering the data into MSHA systems, which may be reflected in the results of this application.
- ∞ To ensure that the application generates accurate results, the Ending Date must be at least **14 days prior to the date you are performing the search.**
- ∞ The national average is calculated based on the most recent one-year period.

# Enter Mine ID and Dates

## Rules to Live By Calculator

The Rules to Live By Calculator allows mine operators, miners and others to calculate a mine's violation rate for the standards most often associated with fatal accidents, as identified in MSHA's [Rules to Live By](#) initiative.

### Enter a Mine ID:

If you do not know the Mine ID, you can find it through the [Mine Data Retrieval System](#).

### Enter a Date Range:

By default, the tool will search the most recent period for which data is available - the last quarter for underground mines and the last two quarters for surface mines and facilities. You can also input other date ranges. Data is available from January 1, 2010 up to 14 days prior to today's date. Only the current operator's history will be retrieved.

### Check Results:

The results page shows hours at that mine during the average for that mine type.

The date ranges can be modified from the default settings, but the Ending Date must be at least 14 days prior to the current date the search is being performed.

**Double check that the end date is after the beginning date. Click**

MSHA Mine ID:

Beginning Date:

mm/dd/yyyy

Ending Date:

mm/dd/yyyy

SEARCH



## Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

The evaluation below is for the date range of **07/01/2014** through **12/31/2014**

**17** C/O's were issued for Rules to Live By standards during **647.25** inspection hours resulting in a rate of **2.63**

The National Average is **2.85**. **This mine is Lower than the National Average.**

The calculation for this rate

Violation(s)	
6	
1	
1	<a href="#">56.14101(a)(3)</a>
1	<a href="#">56.14205</a>
3	<a href="#">56.14207</a>
5	<a href="#">56.20011</a>

If the operator's average is lower than the National Average, the rate will be reported in **GREEN**.



# Rules to Live By Calculation Results

## Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

The evaluation below is for the date range of **10/01/2014** through **12/31/2014**

**42** C/O's were issued for Rules to Live By standards during **996.25** inspection hours resulting in a rate of **4.22**.  
The National Average is **2.21**. **This mine is Higher than the National Average.**

The calculation for this

If the operator's average is higher than the National Average, the rate will be reported in **RED**.

Viol	
4	<a href="#">75.1725(a)</a>
14	<a href="#">75.202(a)</a>
1	<a href="#">75.202(b)</a>
1	<a href="#">75.220(a)(1)</a>
15	<a href="#">75.333(h)</a>
1	<a href="#">75.360(b)(3)</a>
5	<a href="#">75.370(a)(1)</a>

# Rules to Live By Calculation Results

## Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

The evaluation below is for the date range of **07/01/2014** through **12/31/2014**

**2** C/O's were issued for Rules to Live By standards during **10** inspection hours resulting in a rate of **20.00**  
The National Average is **2.85**.

The calculation for this rate is the number of violations / inspection hours X 100

Violation(s)	30 CFR
1	<a href="#">56.14101(a)(3)</a>
1	<a href="#">56.20011</a>

If the operator received fewer than 3 citations,  
they will not be compared to the National Average.  
Their rate will be reported in **BLACK** (instead of Red or Green).



## Rules to Live By Calculation Results

Operator Name: Sample Mine Operator

Mine Name: Sample Mine Name

It also allows  
you to **PRINT**.

The evaluation below is for the date range of **07/01/2014** through **12/31/2014**

**2** C/O's were issued for Rules to Live By standards during **10** inspection hours resulting in a rate of **20.00**  
The National Average is **2.85**.

The calculation for this rate is the number of violations / inspection hours

Violation(s)	30 CFR
1	<a href="#">56.14101(a)(3)</a>
1	<a href="#">56.20011</a>

These are  
hyperlinked  
to the online  
30 CFR.

# Summary

MSHA Mine ID:	<input type="text" value="1234567"/>	Beginning Date:	<input type="text" value="mm/dd/yyyy"/>	Ending Date:	<input type="text" value="mm/dd/yyyy"/>	<input type="button" value="SEARCH"/>
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- ✎ Insert the 7 digit MSHA Mine ID Number (without a dash).
- ✎ Type a beginning date or... click search to use default date.
- ✎ Type an ending date or... click search to use default date.
- ✎ Click the “**SEARCH**” button.
- ✎ Results page will give you the...
  - Number of **Rules to Live By** Citations and Orders
  - Number of Inspection Hours spent
  - Comparison to the National Average
  - List (and Link) of the 30 CFR Standards cited.

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